## **Amendments to the Specification**

Please delete Table 1 (pages 42-58) located immediately after paragraph [00118].

## **Amendments to the Specification**

Please delete Table 2 (pages 59-79) located immediately after Table 1 and before paragraph [00119].

## **Amendments to the Specification**

Please add the following Table 1 immediately after paragraph [00118].

Table 1

Example	Structure	MS (m/z) (M+1) <sup>+</sup>	NMR
1	F O F F O F O F O F O F O F O F O F O F	462.8	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) $\delta$ 7.39-7.35 (m, 1H), 7.34-7.29 (m, 4H), 7.25 (dd, $J_I$ = 7.8 Hz, $J_2$ = 1.2 Hz, 1H), 7.19-7.13 (m, 3H), 7.07-7.03 (m, 1H), 6.99-6.96 (m, 2H), 6.50 (dd, $J_I$ = 71.6 Hz, $J_2$ = 71.2 Hz, 1H).
2	F N-N S O NH <sub>2</sub>	506.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) $\delta$ 7.43 (s, 1H), 7.27 (d, $J$ = 8.8, 2H), 7.15 (m, 2H), 7.14 (d, $J$ = 8.4 Hz, 2H) 6.99 (bs, 1H), 6.84 (t, $J$ = 6.4 Hz, 3H), 6.66 (d, $J$ = 8.4 Hz, 1H), 6.53 (t, $J$ = 8.0 Hz, 2H), 5.29 (bs, 1H), 4.47 (d, $J$ = 1.6 Hz, 2H).
3	F F O N-N O O O	520.3	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.63-7.62 (m, 2H), 7.57 (s, 1H), 7.22-7.12 (m, 3H), 7.02 (dd, 2H, $J_I$ = 8.4 Hz, $J_2$ = 2 Hz), 6.9 (bs, 1H), 6.85 (t, 2H, $J$ = 8.4Hz), 6.10 (s, 1H), 4.83 (d, 1H, $J$ = 15.2Hz), 4.68 (d, 1H, $J$ = 15.2Hz), 3.94 (s, 3H).

4	F N-N-S	610.9	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.14 (s, 1H), 8.02 (d, $J = 7.8$ Hz, 1H), 7.67 (d, $J = 7.7$ Hz, 1H), 7.47-7.55 (m, 4H), 7.01-7.07 (m, 3H), 6.94 (t, $J = 8.3$ Hz, 2H), 6.77 (t, $J = 8.5$ Hz, 2H), 5.16 (s, 2H), 4.07 (s, 3H), 3.94 (s, 3H).
5	F HO HO O	597.3	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.14 (d, $J$ = 8 Hz, 2H), 7.53-7.58 (m, 5H), 7.03-7.05 (m, 3H), 6.94-6.95 (m, 2H), 6.77 (t, $J$ = 8.2 Hz, 2H), 5.2 (s, 2H), 4.08 (s, 3H).
6	F F O N-N O HN	520.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.55-7.51 (m, 3H), 7.12 - 6.99 (m, 4H), 6.9 (d, $J =$ 7.6 Hz, 2H), 6.77 (t, $J =$ 8.4 Hz, 2H), 4.56 (s, 2H), 4.08 (s, 3H), 3.26–3.2 (m, 2H), 1.02–0.99 (m, 1H), 0.57–0.52 (m, 2H), 0.25 (m, 2H).
7	F N N N N N N N N N N N N N N N N N N N	574.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.55–7.51 (m, 3H), 7.35–7.26 (m, 2H), 7.05–6.96 (m, 3H), 6.85 (d, <i>J</i> = 8 Hz, 1H), 6.69 (t, <i>J</i> = 7.6 Hz, 2H), 6.56 (s, 1H), 4.72 (s, 2H), 2.33 (s, 3H).
8	F F F O HN Y O	571.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.09 (s, 1H), 7.9 (d, $J$ = 7.6 Hz, 1H), 7.7 (s, 1H), 7.6-7.5 (m, 4H) 7.35 (d, $J$ = 7.6 Hz, 1H), 7.06 (t, $J$ = 8.4 Hz, 1H), 6.99 (t, $J$ = 7.6 Hz, 2H), 6.88 (d, $J$ = 8 Hz), 6.79 (t, $J$ = 8.4 Hz, 2H), 6.26 (bs, 1H), 5.33 (d, $J$ = 7.6 Hz).

9	F S O NH <sub>2</sub>	566.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.26-7.23 (m, 3H), 7.20 (d, $J = 1.9$ Hz, 1H), 7.10-7.05 (m, 1H), 7.03-6.99 (m, 1H), 6.86 (d, $J = 8.1$ Hz, 1H), 6.78-6.74 (m, 3H), 6.55 (d, $J = 1.9$ Hz, 1H), 6.55-6.50 (m, 2H), 5.38-5.21 (m, 2H).
10	E NO HO	556.5	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) $\delta$ 8.71 (d, $J$ = 2.1 Hz, 1H), 7.81 (dd, $J_1$ = 8.2 Hz, $J_2$ = 2.2 Hz, 1H), 7.53 (s, 1H), 7.36-7.4 (m, 2H), 7.26 (d, $J$ = 8.1 Hz, 2H), 7.18 (d, $J$ = 8.3 Hz, 1H), 6.78 (t, $J$ = 8.3 Hz, 2H), 6.67 (dd, $J_1$ = 75.0 Hz, $J_2$ = 71.7 Hz, 1H), 2.64 (s, 3H).
11	F F F	480.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 9.02 (d, $J$ = 2.0 Hz, 1H), 8.41 (d, $J$ = 8.6 Hz, 1H), 8.23 (dd, $J$ <sub>1</sub> = 8.2 Hz, $J$ <sub>2</sub> = 2.2 Hz, 1H), 7.77 (d, $J$ = 7.5 Hz, 1H), 7.65 (s, 1H), 7.62 (dd, $J$ <sub>1</sub> = 7.8 Hz, $J$ <sub>2</sub> = 1.3 Hz, 1H), 7.45-7.53 (m, 5H), 6.97-7.01 (m, 2H), 2.79 (s, 3H).
12	OH N-N S	442.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) $\delta$ 7.55-7.51 (m, 3H), 7.12 - 6.99 (m, 4H), 6.9 (d, $J$ = 7.6 Hz, 2H), 6.77 (t, $J$ = 8.4 Hz, 2H), 4.56 (s, 2H), 4.08 (s, 3H), 3.26–3.2 (m, 2H), 1.02–0.99 (m, 1H), 0.57–0.52 (m, 2H), 0.25 (m, 2H).
13	F F F F	484.4	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.39 (s, 1H), 7.93-7.97 (m, 1H), 7.54 (s, 1H), 7.37-7.41 (m, 2H), 7.24-7.27 (m, 1H), 7.19 (d, $J = 8.1$ Hz, 1H), 6.97 (dd, $J_1 = 8.6$ Hz, $J_2 = 2.7$ Hz, 1H), 6.78 (t, $J = 8.3$ Hz, 2H), 6.67 (dd, $J_1 = 75.0$ Hz, $J_2 = 71.7$ Hz, 1H).

14	F F F S N O HO	596.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.95 (s, 1H), 8.48 (d, $J = 7.9$ Hz, 1H), 8.27 (d, $J = 7.8$ Hz, 1H), 7.92 (s, 1H), 7.66 (t, $J = 7.8$ Hz, 1H), 7.6 (dd, $J_1 = 7.7$ Hz, $J_2 = 1.2$ Hz, 1H), 7.46 (m, 1H), 7.29-7.42 (m, 3H), 7.19 (q, $J = 8.2$ Hz, 1H), 6.76-6.81 (m, 2H).
15	OH ON NH2 N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-	594.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 11.27 (s, 1H), 8.55 (dd, $J_1$ = 1.2 Hz, $J_2$ = 8 Hz, 1H), 7.96 (d, $J$ = 8 Hz, 2H), 7.71-7.77 (m, 2H), 7.59-7.64 (m, 3H), 7.42-7.47 (m, 1H), 7.12-7.8 (m, 2H), 6.95-7.03 (m, 3H), 6.86-6.92 (m, 2H), 5.2 (s, 2H), 4.77 (s, 2H), 4.07 (s, 3H).
16	F N-N N-OH NH <sub>2</sub>	611.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.7 (d, $J = 7$ Hz, 1H), 7.64 (s, 1H), 7.52-7.61 (m, 4H), 7.5 (s, 1H), 7.03-7.08 (m, 2H), 7.0 (d, $J = 8.2$ Hz, 1H), 6.95 (d, $J = 7.9$ Hz, 1H), 6.9 (d, $J = 6.8$ Hz, 1H), 6.76 (t, $J = 8$ Hz, 2H), 6.41 (bs, 2NH), 5.21 (dd, $J = 14.5$ , 12.8Hz, 2H), 4.04 (s, 3H).
17	OH OH OH	540.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 11.2 (s, 1H), 8.53 (m, 1H), 7.73 (m, 2H), 7.6 (s, 1H), 7.44 (t, $J = 8.4$ Hz, 1H), 7.15 (t, $J = 8$ Hz, 2H), 6.9-7.1 (m, 5H), 4.58 (s, 2H), 4.14 (m, 1H), 4.06 (s, 3H), 3.69 (m, 1H), 3.59 (m, 1H), 2.1 (bs, 2H), 1.23 (m, 3H).
18		651.0	<sup>1</sup> H NMR (400 MHz, CDCl3) δ 8.1 (d, $J$ = 7.9Hz, 1H), 7.94 (t, $J$ = 7.9Hz, 1H), 7.76 (d, $J$ = 7.5Hz, 1H), 7.54-7.58 (m, 3H), 7.05-7.14 (m, 3H), 7.01 (d, $J$ = 7.3Hz, 1H), 6.96 (d, $J$ = 8.9Hz, 1H), 6.76 (t, $J$ = 8.5Hz, 2H), 5.4 (s, 2H), 5.12 (d, $J$ = 4.4Hz, 2H), 4.5 (q, $J$ = 7.2Hz, 2H), 1.45 (t, $J$ = 7.3Hz, 3H).

19	F S O O O O O O O O O O O O O O O O O O	656.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.21 (d, $J$ = 7.9 Hz, 1H), 8.03 (t, $J$ = 7.3Hz, 1H), 7.81 (d, 10.1Hz, 1H), 7.8 (s, 1H), 7.55 (dd, $J$ = 8.9, 5.3 Hz, 2H), 7.0-7.1 (m, 4H), 6.92 (d, $J$ = 8Hz,1H), 6.76 (t, $J$ = 7.5Hz, 2H), 5.31 (s, 2H), 4.94 (d, $J$ = 7.8Hz, 2H), 4.8 (bs, 1H), 3.8 (s, 3H).
20	F O O O O O O O O O O O O O O O O O O O	597.3	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) $\delta$ 8.21 (s, 1H), 8.09 (d, $J$ = 7.8 Hz, 1H), 7.73 (d, $J$ = 7.6 Hz, 1H), 7.51-7.55 (m, 4H), 7.05 (m, 3H), 6.95 (t, $J$ = 8.6 Hz, 2H), 6.77 (t, $J$ = 8.3 Hz, 2H), 5.18 (s, 2H), 4.08 (s, 3H).
21	F P O N-N S O NH <sub>2</sub>	520.3	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.54 (m, 2H), 7.5 (s, 1H), 7.0-7.13 (m, 4H), 6.92 (d, $J = 8.2$ Hz, 1H), 6.82 (s, 1H), 6.77 (t, $J = 8.3$ Hz, 1H), 5.78 (s, 1H), 4.58 (s, 2H), 4.06 (s, 3H).
22	F O N-N S F F	447.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.78 (d, $J$ = 7.7 Hz, 1H), 7.73 (d, $J$ = 9.6 Hz, 1H), 7.66 (dd, $J_I$ = 8.7 Hz, $J_2$ = 5.3 Hz, 2H), 7.56 (s, 1H), 7.44 (q, $J$ = 8.0 Hz, 1H), 7.33-7.37 (m, 2H), 7.17-7.26 (m, 3H), 7.12 (t, $J$ = 8.5 Hz, 2H), 6.7 (dd, $J_I$ = 76 Hz, $J_2$ = 71 Hz, 1H).
23	F N O O N	518.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.39 (s, 1H), 7.35 (d, $J = 8.0$ Hz, 2H), 7.21 (d, $J = 8.0$ Hz, 2H), 7.02 (t, 1H), 6.82 (t, $J = 8.0$ Hz, 2H), 6.62 (t, $J = 8.0$ Hz, 2H), 4.86 (d, $J = 6.8$ Hz, 2H), 3.78 (s, 3H).

24	F S S	483.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) 7.54 (dd, $J_1 = 8.7$ Hz, $J_2 = 5.2$ Hz, 2H), 7.5 (s, 1H), 7.4 (d, $J = 8.0$ Hz, 1H), 7.36 (d, $J = 8.7$ Hz, 1H), 7.24 (t, $J = 7.6$ Hz, 1H), 7.18 (d, $J = 8.0$ Hz, 1H), 7.06 (t, $J = 8.5$ Hz, 2H), 6.77 (t, $J = 8.4$ Hz, 2H), 6.68 (dd, $J_1 = 7.5$ Hz, $J_2 = 7.5$ Hz, 1H).
25	F F	443.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) 7.4-7.44 (m, 2H), 7.23-7.32 (m, 3H), 7.12-7.16 (m, 5H), 7.08 (t, $J = 7.9$ Hz, 1H), 6.93 (t, $J = 8.5$ Hz, 2H), 6.6 (dd, $J_I = 71$ Hz, $J_2 = 76$ Hz, 1H), 2.24 (s, 3H).
26	F F O O O O O O O O O O O O O O O O O O	518.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.40-7.35 (m, 3H), 7.22 (d, 2H, <i>J</i> = 8.8 Hz), 7.05 (t, 1H, <i>J</i> = 8 Hz), 6.85-6.80 (m, 2H), 6.63 (m, 2H), 4.87 (d, 2H, <i>J</i> = 7.2 Hz), 3.79 (s, 3H).
27	F F F S S S S S S S S S S S S S S S S S	509.3	<sup>1</sup> H NMR (400MHz, CDCl <sub>3</sub> ) δ 7.88-7.85 (m, 2H), 7.71 (t, 1H, $J$ = 7.6 Hz), 7.67-7.62 (m, 2H), 7.55 (s, 1H), 7.11 (t, 2H, $J$ = 11.6 Hz), 7.03(t, 1H, $J$ = 8 Hz), 6.90 (dd, 1H, $J_I$ = 8 Hz, $J_2$ = 1.6 Hz), 6.82 (dd, 1H, $J_I$ = 7.6 Hz, $J_2$ = 1.2 Hz), 4.03 (s, 3H), 3.88 (s, 3H).
28	F N-N S NH <sub>2</sub>	490.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.58 (s, 1H), 7.49 (m, 2H), 7.33 (dd, $J_I$ = 7.6 Hz, $J_2$ = 1.2 Hz, 1H), 7.25 (td, $J_I$ = 8.4 Hz, $J_2$ = 1.2 Hz, 1H), 7.13 (bs, 1H), 6.99 (m, 3H), 6.81 (d, $J$ = 8 Hz, 1H), 6.68 (t, $J$ = 8.4 Hz, 2H), 5.76 (bs, 1H), 4.61 (d, $J$ = 1.6 Hz, 2H).
29	CI F	459.0	<sup>1</sup> H NMR (400MHz, CDCl <sub>3</sub> ) δ 7.91 (d, 2H, $J = 8$ Hz), 7.61-7.57 (m, 3H), 7.39- 7.30 (m, 4H), 7.29-7.26 (m, 2H), 7.21- 7.16 (m, 2H), 6.7(dd,1H, $J_I = 76$ Hz, $J_2 =$ 71.2 Hz).

30	F S O O O O H	507.3	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.53 (dd, $J_I = 8.7$ Hz, $J_2 = 5.3$ Hz, 2H), 7.5 (s, 1H), 7.03-7.08 (m, 3H), 6.94 (d, $J = 8.4$ Hz, 2H), 6.77 (t, $J = 8.5$ Hz, 2H), 4.15 (t, $J = 4.5$ Hz, 2H), 4.05 (s, 3H), 3.98-4.02 (m, 2H).
31	F N O O O O O O O O O O O O O O O O O O	610.3	<sup>1</sup> H NMR (400MHz, CDCl <sub>3</sub> ) $\delta$ 8.05 (d, 1H, $J$ = 8 Hz), 7.95 (d, 1H, $J$ = 8 Hz), 7.65 (s, 1H), 7.53-7.42 (m, 4H), 7.13 (t, 1H, $J$ = 8 Hz), 7.03-6.94 (m, 4H), 6.77 (bs, 2H), 5.7 (s, 2H), 3.90 (s, 3H).
32	F S HN	504.1	<sup>1</sup> H NMR (400MHz, CDCl <sub>3</sub> ) $\delta$ 7.63 (s, 1H), 7.6–7.55 (m, 2H), 7.41–7.39 (m, 1H), 7.35–7.31 (m, 1H), 7.25–7.21 (bs, 1H), 7.11–7.04 (m, 3H), 6.87 (d, $J$ = 8.4 Hz, 1H), 6.76 (t, $J$ = 8.4 Hz, 1H), 4.69 (d, $J$ = 7.2 Hz, 2H), 2.81 (d, $J$ = 4.8Hz, 3H).
33	F P P P P P P P P P P P P P P P P P P P	591.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.36 (m, 4H), 6.89-6.59 (m, 6H), 4.38 (s, 2H), 3.8 (s, 3H), 3.44 (m, 1H), 3.32 (m, 1H), 2.29 (s, 1H).
34	F S S S S S S S S S S S S S S S S S S S	587.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.53 (dd, $J_I = 8.7$ Hz, $J_2 = 5.3$ Hz, 2H), 7.5 (s, 1H), 7.16 (d, $J = 3.4$ Hz, 1H). 7.02-7.07 (m, 3H), 6.94-6.97 (m, 2H), 6.77 (t, $J = 8.4$ Hz, 2H), 6.54 (d, $J = 3.4$ Hz, 1H), 5.12 (s, 2H), 4.04 (s, 3H), 3.9 (s, 3H).

35	F O OH	588.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.53 (dd, $J_I$ = 8.9 Hz, $J_2$ = 5.2 Hz, 2H), 7.5 (s, 1H), 7.3 (d, $J$ = 3.5 Hz, 1H). 7.03-7.07 (m, 3H), 6.96 (d, $J$ = 8.3 Hz, 2H), 6.77 (t, $J$ = 8.3 Hz, 2H), 6.58 (d, $J$ = 3.5 Hz, 1H), 5.15 (s, 2H), 4.05 (s, 3H), 2.9 (bs, 1H).
36	F N N N N N N N N N N N N N N N N N N N	601.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.53 (dd, $J_I$ = 8.7 Hz, $J_2$ = 5.3 Hz, 2H), 7.5 (s, 1H), 7.16 (d, $J$ = 3.4 Hz, 1H). 7.02-7.07 (m, 3H), 6.94-6.97 (m, 2H), 6.77 (t, $J$ = 8.4 Hz, 2H), 6.54 (d, $J$ = 3.4 Hz, 1H), 5.12 (s, 2H), 4.04 (s, 3H), 3.9 (s, 3H).
37	F F F O O O O O O O O O O O O O O O O O	518.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.39 (s, 1H), 7.35 (d, $J = 8.0$ Hz, 2H), 7.21 (d, $J = 8.0$ Hz, 2H), 7.02 (t, 1H), 6.82 (t, $J = 8.0$ Hz, 2H), 6.62 (t, $J = 8.0$ Hz, 2H), 4.86 (d, $J = 6.8$ Hz, 2H), 3.78 (s, 3H).
38	F N-N S NH NH	605.2	<sup>1</sup> H NMR (400MHz, CDCl <sub>3</sub> ) δ 7.74 – 7.7 (m, 3H), 7.3 – 7.18 (m, 4H), 7.11 (d, $J$ = 8.4 Hz, 1H), 6.97 (t, $J_I$ = 8.4 Hz, $J_2$ = 2 Hz), 6.33 (bs, 1H), 4.79 (s, 2H), 4.27 (s, 3H), 3.74–3.54 (m, 4H), 2.3 (s, 1H), 2.15 (s, 3H).
39	F S S NH <sub>2</sub>	490.0	<sup>1</sup> H NMR (400MHz, CDCl <sub>3</sub> ) δ 7.63-7.62 (m, 2H), 7.57 (s, 1H), 7.22-7.12 (m, 3H), 7.02 (dd, 2H, $J_I$ = 8.4 Hz, $J_2$ = 2 Hz), 6.9 (bs, 1H), 6.85 (t, 2H, $J$ = 8.4 Hz), 6.10 (s, 1H), 4.83 (d, 1H, $J$ = 15.2 Hz), 4.68 (d, 1H, $J$ = 15.2 Hz), 3.94 (s, 3H).

40	F N N O HN N N N N N N N N N N N N N N N	598.2	<sup>1</sup> H NMR (400MHz, CDCl <sub>3</sub> ) δ 9.33 (bs, 1H), 9.02 (s, 1H), 8.77 (d, $J = 6$ Hz, 1H), 8.31 (d, $J = 6$ Hz, 1H), 7.63-7.60 (m, 3H), 7.22 - 7.12 (m, 4H), 7.04 (d, $J = 8$ Hz, 1H), 6.86 (t, $J = 8$ Hz, 2H), 4.8 (s, 2H), 4.23 (s, 3H).
41	F F N-N O NH <sub>2</sub>	506.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.43 (s, 1H), 7.27 (d, $J = 8.8$ , 2H), 7.15 (m, 2H), 7.14 (d, $J = 8.4$ Hz, 2H) 6.99 (bs, 1H), 6.84 (t, $J = 6.4$ Hz, 3H), 6.66 (d, $J = 8.4$ Hz, 1H), 6.53 (t, $J = 8.0$ Hz, 2H), 5.29 (bs, 1H), 4.47 (d, $J = 1.6$ Hz, 2H).
42	F S S S S S S S S S S S S S S S S S S S	595.2	<sup>1</sup> H NMR (400MHz, CDCl <sub>3</sub> ) δ 7.41-7.36 (m, 3H), 7.32(d, $J = 8$ Hz, 2H), 7.2(d, $J = 7.6$ Hz, 2H), 7.16 (m, 1H), 6.92-6.85 (m, 4H), 6.72 - 6.58 (bs, 3H), 5.05 (s, 2H), 3.59 (s, 3H), 3.53 (s, 2H).
43	F N N N N N N N N N N N N N N N N N N N	602.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.28 (s, 1H), 7.53 (m, 2H),7.49 (s, 1H), 7.02-7.07 (m, 4H), 6.97 (dd, $J_1$ = 6.0 Hz, $J_2$ = 3.2 Hz, 1H), 6.77 (t, $J$ = 8.2 Hz, 2H), 5.25 (d, $J$ = 1.8 Hz, 2H), 4.05 (s, 3H), 3.94 (s, 3H).
44	F HO O HO O NO S	588.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.35 (s, 1H), 7.53 (d, $J = 8.7$ Hz, 1H), 7.52 (d, $J = 8.6$ Hz, 1H), 7.49 (s, 1H), 7.01-7.07 (m, 4H), 6.98 (d, $J = 7.2$ Hz, 1H), 6.77 (t, $J = 8.2$ Hz, 2H), 5.26 (s, 2H), 4.05 (s, 3H).
45	F HO O NO	588.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.54 (dd, $J_1$ = 8.8 Hz, $J_2$ = 5.2 Hz, 2H), 7.5 (s, 1H), 7.03-7.09 (m, 3H), 7.0 (dd, $J_1$ = 6.7 Hz, $J_2$ = 1.2 Hz, 1H), 6.95 (dd, $J_1$ = 8.0 Hz, $J_2$ = 1.2 Hz, 1H), 6.84 (s, 1H), 6.77 (t, $J_2$ = 8.2 Hz, 2H), 5.27 (s, 2H), 4.05 (s, 3H).

46	F N-N S O O O O O O O O O O O O O O O O O O	587.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) 7.51-7.55 (m, 2H), 7.5 (s, 1H), 7.45 (d, $J = 1.9$ Hz, 1H), 6.98-7.07 (m, 5H), 6.94 (dd, $J_1 = 7.1$ Hz, $J_2 = 2.0$ Hz, 1H), 6.77 (t, $J = 8$ Hz, 2H), 5.46 (d, $J = 12.7$ Hz, 2H), 5.38 (d, $J = 12.8$ Hz, 1H), 4.04 (s, 3H).
47		536.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.79-7.77 (m, 2H), 7.73-7.69 (m, 2H), 7.55 (dd, $J_1$ = 6.1 Hz, $J_2$ = 1.5 Hz, 1H), 7.50-7.45 (m, 1H), 7.24-7.18 (m, 3H), 7.02 (d, $J$ = 8.1 Hz, 1H), 6.92-6.87 (m, 2H), 4.89 (d, $J$ = 6.8 Hz, 2H), 4.66-4.63 (m, 1H), 4.54-4.51 (m, 1H), 3.84-3.62 (m, 2H).
48	F N N N N N N N N N N N N N N N N N N N	576.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.64-7.61 (m, 2H), 7.59 (s, 1H), 7.21-7.13 (m, 3H), 7.09 (dd, $J_1$ = 6.5 Hz, $J_2$ = 1.1 Hz, 1H), 7.05 (bs, 1H), 7.01 (dd, $J_1$ = 6.7 Hz, $J_2$ = 1.3 Hz, 1H), 6.87 (m, 2H), 4.69 (s, 2H), 4.15 (s, 3H), 3.29 (t, $J$ = 6.6 Hz, 2H), 1.98-1.88 (m, 1H), 1.03 (d, $J$ = 6.6 Hz, 6H).
49	F P P P P P P P P P P P P P P P P P P P	587.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.54 (d, $J$ = 8.8 Hz, 2H), 7.53 (t, $J$ = 8.7 Hz, 1H), 7.5 (s, 1H), 7.31 (d, $J$ = 3.5 Hz, 1H), 7.03-7.07 (m, 3H), 6.97 (d, $J$ = 2.2 Hz, 1H), 6.95 (s, 1H), 6.77 (t, $J$ = 8.3 Hz, 2H), 6.59 (d, $J$ = 3.5 Hz, 1H), 5.15 (d, 2H), 4.05 (s, 3H).
50	F OH OH	598.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.2 (d, $J$ = 7.7 Hz, 1H), 8.03 (t, $J$ = 7.8 Hz, 1H), 7.87 (d, $J$ = 7.8 Hz, 1H), 7.52-7.56 (m, 3H), 7.03-7.08 (m, 3H), 6.97 (d, $J$ = 7.9 Hz, 1H), 6.92 (d, $J$ = 7.1 Hz, 1H), 6.77 (t, $J$ = 8.4 Hz, 2H), 5.32 (s, 2H), 4.11 (s, 3H).
51	F N N N N N N N N N N N N N N N N N N N	625.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.91 (bs, 1H), 7.82 (s, 1H), 7.46-7.42 (m, 3H), 7.00-6.85 (m, 5H), 6.69-6.65 (m, 3H), 4.58 (s, 2H), 4.05 (s, 3H), 2.34 (s, 3H), 2.25 (s, 3H).

52	F OH	539.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.70 (dd, $J_1$ = 5.2 Hz, $J_2$ = 8.8 Hz, 2H), 7.28 (m, 2H), 7.11 (m, 2H), 6.9 (m, 2H), 6.74 (dd, 1H), 6.56 (d, $J$ = 3.6 Hz, 1H), 5.11 (s, 2H), 3.98 (s, 3H), 3.24 (m, 1H), 2.08 (m, 1H), 1.90-1.83 (m, 3H), 1.72 (m, 1H), 1.59-1.3 (m, 5H).
53		493.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) $\delta$ 7.75 (d, $J$ = 6.4 Hz, 1H), 7.60 (m, 4H), 7.45-7.36 (m, 6H), 7.04 (m, 2H), 6.22 (m, 1H), 5.58 (d, $J$ = 17.2 Hz, 1H), 5.44 (d, $J$ = 10.4 Hz, 1H), 4.77 (d, $J$ = 4.8 Hz, 2H), 2.27 (s, 3H).
54	H O N N N N N N N N N N N N N N N N N N	410.0	<sup>1</sup> H NMR (400MHz, CDCl <sub>3</sub> ) δ 11.22 (bs, 1H), 8.56 (dd, $J$ = 8.4 Hz, 1H), 8.14 (dd, $J$ <sub>I</sub> = 1.6 Hz, $J$ <sub>2</sub> = 5.2 Hz, 1H), 7.72 (m, 2H), 7.47 (m, 2H), 7.38 (dd, $J$ <sub>I</sub> = 1.2 Hz, $J$ <sub>2</sub> = 7.2 Hz, 1H), 7.14 (t, $J$ = 8.4 Hz, 2H), 7.01 (m, 2H), 6.86 (dd, $J$ <sub>I</sub> = 5.2 Hz, $J$ <sub>2</sub> = 7.2 Hz, 1H), 4.08 (s, 3H).
55	F S S S S S S S S S S S S S S S S S S S	501.3	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) $\delta$ 7.53 (dd, $J_I = 8.8$ Hz, $J_2 = 5.2$ Hz, 2H), 7.5 (s, 1H), 7.04-7.07 (m, 4H), 6.95 (d, $J = 6.8$ Hz, 2H), 6.77 (t, $J = 8.2$ Hz, 2H), 4.76 (d, $J = 2.3$ Hz, 2H), 4.05 (s, 3H), 2.53 (t, $J = 2.4$ Hz, 1H).
56	F S S	448.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.19 (dd, $J_I$ = 1.6 Hz, $J_2$ = 4.8 Hz, 1H), 7.56 (m, 3H), 7.41 (s, 1H), 7.09 (t, $J$ = 8.4 Hz, 2H), 6.95 (dd, $J_I$ = 5.2 Hz, $J_2$ = 7.2 Hz, 1H), 6.83 (bs, 2H), 4.11 (s, 3H).
57	Br N-N S	472.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) $\delta$ 9.23 (s, 1H), 8.82 (s, 1H), 8.47 (s, 1H), 7.64-7.67 (m, 2H), 7.53 (s, 1H), 7.32 (dt, $J_1$ = 7.3 Hz, $J_2$ = 1.5 Hz, 1H), 7.07-7.14 (m, 3H), 6.92-6.96 (m, 2H), 3.94 (s, 3H).

58	F N N N S	409.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.92 (d, $J$ = 1.3 Hz, 1H), 8.27 (dd, $J_1$ = 8.3 Hz, $J_2$ = 1.7 Hz, 1H), 8.18 (dd, $J_1$ = 5.1 Hz, $J_2$ = 1.7 Hz, 1H), 7.78 (d, $J$ = 7.8 Hz, 1H), 7.68 (d, $J$ = 9.4 Hz, 1H), 7.57 (d, $J$ = 8.3 Hz, 1H), 7.52 (s, 1H), 7.49 (dd, $J_1$ = 8.1 Hz, $J_2$ = 2.5 Hz, 1H), 7.39 (dd, $J_1$ = 7.4 Hz, $J_2$ = 1.5 Hz, 1H), 7.29 (dd, $J_1$ = 8.3 Hz, $J_2$ = 2.5 Hz, 1H), 6.91 (dd, $J_1$ = 7.4 Hz, $J_2$ = 5.1 Hz, 1H), 4.08 (s, 3H), 2.81 (s, 3H).
59		405.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.76 (m, 1H), 8.21 (m, 2H), 7.39-7.56 (m, 5H), 7.29 (d, $J = 6.9$ Hz, 1H), 6.95 (dd, $J_1 = 7.3$ Hz, $J_2 = 5.2$ Hz, 1H), 4.08 (s, 3H), 2.81 (s, 3H), 2.38 (s, 3H).
60	OH O	407.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 9.04 (d, $J$ = 1.0 Hz, 1H), 8.39 (d, $J$ = 8.1 Hz, 1H), 8.35 (dd, $J_1$ = 8.3 Hz, $J_2$ = 1.6 Hz, 1H), 8.20 (dd, $J_1$ = 5.0 Hz, $J_2$ = 1.4 Hz, 1H), 7.63 (d, $J$ = 8.3 Hz, 1H), 7.58 (s, 1H), 7.49 (t, $J$ = 8.3 Hz, 1H), 7.42 (d, $J$ = 7.4 Hz, 1H), 7.04 (d, $J$ = 8.1 Hz, 1H), 7.0 (d, $J$ = 7.4 Hz, 1H), 6.92 (dd, $J_1$ = 7.4 Hz, $J_2$ = 5.1 Hz, 1H), 4.1 (s, 3H), 2.85 (s, 3H).
61	OH OH N-N S	424.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.96 (s, 1H), 8.49 (d, $J$ = 8.2 Hz, 1H), 8.15 (dd, $J_1$ = 8.3 Hz, $J_2$ = 2.0 Hz, 1H), 7.59 (s, 1H), 7.48 (d, $J$ = 8.5 Hz, 1H), 7.44 (d, $J$ = 8.5 Hz, 1H), 7.07 (dd, $J_1$ = 8.5 Hz, $J_2$ = 6.3 Hz, 1H), 7.02 (d, $J$ = 8.6 Hz, 1H), 6.98 (d, $J$ = 7.7 Hz, 1H), 6.69 (dd, $J_1$ = 10.5 Hz, $J_2$ = 2.2 Hz, 1H), 6.62 (dd, $J_1$ = 8.3 Hz, $J_2$ = 2.3 Hz, 1H), 3.94 (s, 3H), 2.74 (s, 3H).
62	F N S F	425.5	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.34 (s, 1H), 7.93 (dd, $J_1$ = 8.8 Hz, $J_2$ = 2.2 Hz, 1H), 7.52 (s, 1H), 7.44 (d, $J$ = 7.4 Hz, 1H), 7.37 (t, $J$ = 7.5 Hz, 1H), 7.26-7.28 (m, 2H), 7.15 (dd, $J_1$ = 8.4 Hz, $J_2$ = 6.4 Hz, 1H), 6.92 (dd, $J_1$ = 8.3 Hz, $J_2$ = 1.8 Hz, 1H), 6.64-6.71 (m, 2H), 3.93 (s, 3H), 2.39 (s, 3H).

63	F F N-N S F	465.4	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) $\delta$ 8.36 (d, $J$ = 2.3 Hz, 1H), 7.94 (dt, $J_1$ = 8.5 Hz, $J_2$ = 2.5 Hz, 1H), 7.46 (s, 1H), 7.18 (dt, $J_1$ = 8.1 Hz, $J_2$ = 2.3 Hz, 1H), 6.95 (dd, $J_1$ = 8.6 Hz, $J_2$ = 2.9 Hz, 1H), 6.78 (bm, 2H), 6.65-6.7 (m, 2H), 6.76-6.82 (m, 2H), 3.93 (s, 3H).
64	F N S N	449	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.36 (d, $J$ = 2.2 Hz, 1H), 8.17 (dd, $J_1$ = 5.1 Hz, $J_2$ = 1.5 Hz, 1H), 7.93 (dd, $J_1$ = 8.4 Hz, $J_2$ = 1.8 Hz, 1H), 7.49 (dd, $J_1$ = 7.5 Hz, $J_2$ = 1.3 Hz, 1H), 7.41 (s, 1H), 6.92-6.97 (m, 2H), 6.76-6.82 (m, 2H), 4.07 (s, 3H).
65		409.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.35 (d, $J$ = 1.6 Hz, 1H), 8.18 (dd, $J_1$ = 5.0 Hz, $J_2$ = 1.6 Hz, 1H), 7.93 (dd, $J_1$ = 8.6 Hz, $J_2$ = 2.4 Hz, 1H), 7.47 (s, 2H), 7.45 (s, 1H), 7.38 (t, $J$ = 7.6 Hz, 1H), 7.27-7.31 (m, 2H), 6.9-6.93 (m, 2H), 4.07 (s, 3H), 2.4 (s, 3H).
66	F N S	416.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.76 (s, 1H), 8.62 (d, $J$ = 4.8 Hz, 1H), 7.82 (d, $J$ = 7.8 Hz, 1H), 7.53 (d, $J$ = 8.5 Hz, 2H), 7.26-7.39 (m, 5H), 7.17 (m, 1H).
67	CI-VS	416.3	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.16 (d, $J$ = 5.3 Hz, 1H), 7.68 (d, $J$ = 8.5 Hz, 2H), 7.45 (d, $J$ = 8.5 Hz, 2H), 7.32 (s, 1H), 7.31 (d, $J$ = 6.7 Hz, 1H), 6.9 (dd, $J$ = 7.5, 5.1 Hz, 1H), 4.1 (s, 3H), 3.31 (t, $J$ = 11.1 Hz, 1H), 2.16 (d, $J$ = 11.4 Hz, 1H), 1.92 (m, 3H), 1.79 (d, $J$ = 12.3 Hz, 1H), 1.32-1.64 (m, 5H).
68	F F O N-N	464.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) $\delta$ 8.16 (d, $J$ = 6.1Hz, 1H), 7.49 (d, $J$ = 7.5Hz, 2H), 7.45 (d, $J$ = 8.5Hz, 2H), 7.37 (s, 1H), 7.33 (d, $J$ = 8.7Hz, 1H), 6.92 (dd, $J$ = 7.3, 4.8Hz, 1H), 6.79 (m, 2H), 4.1 (s, 3H).

69	CI S	488.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 9.26 (s, 1H), 8.73 (s, 1H), 8.54 (s, 1H), 7.48 (d, $J$ = 8.4 Hz, 2H), 7.38 (s, 1H), 7.26 (d, $J$ = 8.4 Hz, 2H), 7.19 (t, $J$ = 7.2 Hz, 1H), 6.98 (d, $J$ = 7.6 Hz, 1H), 6.86 (m, 2H) 3.8 (s, 3H).
70	F S O O	431.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.61 (t, $J$ = 8.4 Hz, 1H), 7.4 (m, 1H), 7.23 (dd, $J$ = 16.9, 8 Hz, 1H), 7.17 (s, 1H), 6.73-6.79 (m, 2H), 6.66 (d, $J$ = 7.4 Hz, 1H), 5.99 (d, $J$ = 4.6 Hz, 2H), 3.17 (d, $J$ = 11.8 Hz, 1H), 1.99 (d, $J$ = 11.4 Hz, 1H), 1.84 (m, 3H), 1.72 (d, $J$ = 12.8 Hz, 1H), 1.19-1.65 (m, 5H).
71	F S N	436.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.77 (s, 1H), 8.64 (s, 1H), 7.87 (d, $J$ = 7.5 Hz, 1H), 7.4-7.45 (m, 2H), 7.28-7.32 (m, 2H), 7.21 (dd, $J$ = 17.4, 9.1Hz, 1H), 6.77 (t, $J$ = 8.2 Hz, 2H).
72	F S S	411.3	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.84 (d, <i>J</i> = 7.6 Hz, 1H), 7.77 (m, 1H), 7.67 (m, 2H), 7.55 (s, 1H), 7.48 (m, 1H), 7.32 (m, 1H), 7.26 (m, 2H), 7.15 (d, <i>J</i> = 7.6 Hz, 1H), 7.09 (t, <i>J</i> = 8.4 Hz, 2H), 6.95 (m, 2H), 3.95 (s, 3H).
73		451.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.65 (dd, $J_I$ = 7.6 Hz, $J_2$ = 1.6 Hz, 1H), 7.56 (m, 4H), 7.35 (m, 4H), 7.02 (t, $J$ = 8.4 Hz, 2H), 6.97 (m, 2H), 3.95 (s, 3H), 2.12 (s, 3H).
74	F. S.	425.3	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.9 (m, 2H), 7.66 (m, 2H), 7.54 (s, 1H), 7.32 (m, 1H), 7.15 (m, 4H), 6.95 (m, 2H), 3.97 (s, 3H), 2.35 (s, 3H).

75	F F O N-N F	481.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.46-7.48 (m, 3H), 7.34 (d, $J$ = 8.7 Hz, 1H), 7.29 (d, $J$ = 8.4 Hz, 1H), 7.15 (d, $J$ = 8.5 Hz, 1H), 6.98-7.11 (m, 3H), 6.78 (t, $J$ = 8.5 Hz, 2H), 4.11 (d, $J$ = 2.7 Hz, 3H).
76	F S CI	452.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.4 (d, $J$ = 3.1Hz, 1H), 7.66 (d, $J$ = 7.9Hz, 1H), 7.53 (dd, $J$ = 9.9, 5.5Hz, 2H), 7.48 (s, 1H), 7.31 (dd, $J$ = 8, 4.6Hz, 1H), 7.07 (t, $J$ = 8.6Hz, 2H), 6.81 (t, $J$ = 8.5Hz, 2H).
77	Br S F	485.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.1 (d, $J$ = 7.8 Hz, 1H), 7.43-7.49 (m, 4H), 7.38 (d, $J$ = 8.9 Hz, 2H), 7.25-7.3 (m, 2H), 7.16 (dd, $J$ = 8.2, 6.3 Hz, 1H), 6.6-6.7 (m, 2H), 3.92 (s, 3H), 2.39 (s, 3H).
78	F S OH	463.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.54 (dd, $J$ = 8.9, 5.3Hz, 2H), 7.47 (s, 1H), 7.01-7.08 (m, 3H), 6.93 (d, $J$ = 8.1Hz, 1H), 6.87 (d, $J$ = 7.9Hz, 1H), 6.77 (t, $J$ = 8.4Hz, 2H), 5.3 (bs, 1H), 4.03 (s, 3H).
79	F S S	400.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ): δ 8.09 (dd, $J_I = 1.6$ Hz, $J_2 = 5.2$ Hz, 1H), 7.69 (dd, $J_I = 5.2$ Hz, $J_2 = 8.8$ Hz, 2H), 7.24 (dd, $J_I = 1.2$ Hz, $J_2 =$ obscureδ by CDCl <sub>3</sub> , 1H), 7.2 (s, 1H), 7.11 (t, $J = 8.8$ Hz, 2H), 6.83 (dd, $J_I = 4.8$ Hz, $J_2 = 7.2$ Hz, 1H), 4.03 (s, 3H), 3.21-3.29 (m, 1H), 2.11 (d, $J = 12$ Hz, 1H), 1.81-1.92 (m, 3H), 1.74 (d, $J = 12$ Hz, 1H), 1.21-1.67 (m, 7H).
80	F OH	557.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.03(s, 1H), 7.92 (d, $J$ = 8 Hz, 1H), 7.57 (d, $J$ = 7.6 Hz, 1H), 7.43 (s, 1H), 7.37 (t, $J$ = 6.8 Hz, 3H), 7.28 (d, $J$ = 7.2 Hz, 1H), 7.19 (s, 1H), 7.11 (m, 2H), 6.89 (m, 3H), 6.79 (m, 2H), 5.02 (s, 2H), 3.94 (s, 3H), 2.22 (s, 3H).

81	F NH <sub>2</sub>	548.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.88 (s, 1H), 7.78 (d, $J = 8.0$ Hz, 1H), 7.72 (m, 2H), 7.61 (d, $J = 7.6$ Hz, 1H), 7.47 (t, $J = 7.6$ Hz, 1H), 7.34 (s, 1H), 7.11 (t, $J = 8.4$ Hz, 2H), 6.94 (t, $J = 8$ Hz, 1H), 6.88 (dd, $J_I = 8.0$ Hz, $J_2 = 1.2$ Hz, 1H), 6.72 (dd, $J_I = 8.0$ Hz, $J_2 = 1.2$ Hz, 1H), 6.22 (s, 1H), 5.81 (bs, 2H), 5.14 (s, 2H), 4.01 (s, 3H), 3.28 (m, 1H), 2.1 (m, 1H), 1.91 (m, 3H), 1.77 (m, 1H), 1.59 (m, 4H), 1.29 (m, 1H).
82	Br N-N S O N-N F	591.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 9.46 (s, 1H), 9.01 (s, 1H), 8.71 (s, 1H), 7.89 (m, 2H), 7.73 (s, 1H), 7. 34 (m, 3H), 7.15 (m, 2H), 4.78 (s, 2H), 4.25 (s, 2H), 3.93 (m, 2H).
83	F OH	520.2	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.62 (d, $J$ = 8 Hz, 1H), 7.82 (m, 2H), 7.68 (s, 1H), 7.51 (t, $J$ = 7.6 Hz, 1H), 7.21 (t, $J$ = 8.4 Hz, 2H), 7.08 (m, 4H), 6.95 (m, 1H), 6.21 (s, 1H), 5.23 (s, 2H), 4.11 (s, 3H), 2.52 (s, 3H.
84	F S F	465.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.54 (m, 2H), 7.42 (s, 1H), 7.21 (m, 1H), 7.06 (m, 2H), 6.83 (m, 2H), 6.69 (m, 2H), 3.92 (s, 3H).
85	F N-N S F F	513.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.59 (m, 2H), 7.48 (s, 1H), 7.41 (m, 2H), 7.26 (m, 1H), 7.18 (d, $J = 8$ Hz, 1H), 7.11 (m, 3H), 6.68 (dd, $JI = 75.6$ Hz, $J2 = 4.4$ Hz, 1H), 4.09 (s, 1H).
86	F N S N	449.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.41 (d, $J$ = 2.7 Hz, 1H), 8.14 (d, $J$ = 5.1 Hz, 1H), 7.77 (dd, $J$ = 8.7, 4.1 Hz, 1H), 7.5 (d, $J$ = 8.9 Hz, 1H), 7.41 (dt, $J$ = 8.5, 2.7 Hz, 1H), 7.3 (s, 1H), 6.91 (dd, $J$ = 7.7, 5 Hz, 1H), 6.79 (m, 2H), 4.06 (m, 3H).

87	F S S F	466.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 8.31 (d, $J$ = 4.1 Hz, 1H), 7.68 (dd, $J$ = 8.9, 4.4 Hz, 1H), 7.31 (dt, $J$ = 8, 2.9 Hz, 1H), 7.17 (s, 1H), 7.1 (dd, $J$ = 9, 6.1 Hz, 1H), 6.69 (m, 2H), 6.53-6.58 (m, 2H), 3.82 (s, 3H).
88	Br O N N N N N N N N N N N N N N N N N N	498.9	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) $\delta$ 9.23 (s, 1H), 8.82 (s, 1H), 8.48 (t, $J$ = 2 Hz, 1H), 7.67 (dd, $J_I$ = 5.2 Hz, $J_2$ = 8.8 Hz, 2H), 7.52 (s, 1H), 7.39 (apparent t, $J$ = 7.6 Hz, 1H), 7.06-7.16 (m, 3H), 7.05 (d, $J$ = 8.4 Hz, 1H), 4.92 (dd, $J_I$ = 16 Hz, $J_2$ = 27 Hz, 2H).
89	F OH	425.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 11.23 (s, 1H), 8.54 (dd, $JI = 0.8$ Hz, $J2 = 8.4$ Hz, 1H), 7.73 (dd, $JI = 5.2$ Hz, $J2 = 8.8$ Hz, 2H), 7.59 (s, 1H), 7.44 (apparent t, $J = 7.2$ Hz, 1H), 7.15 (t, $J = 7.6$ Hz, 2H), 6.89-7.03-7.16 (m, 4H), 6.81 (dd, $JI = 1.6$ Hz, $J2 = 7.6$ Hz, 1H), 5.49 (s, 1H), 4.03 (s, 3H).
90	F OH	566.1	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 11.14 (d, $J = 3.6$ Hz, 1H), 8.44 (dt, $J_I = 1.6$ Hz, $J_2 = 8.4$ Hz, 1H), 7.63 (dd, $J_I = 5.2$ Hz, $J_2 = 8$ Hz, 2H), 7.51 (d, $J = 2$ Hz, 1H), 7.34 (apparent t, $J = 7.2$ Hz, 1H), 7.04 (t, $J = 8.4$ Hz, 2H), 6.75-6.99 (m, 6H), 4.46 (d, $J = 1.6$ Hz, 2H), 3.97 (s, 3H), 3.86-3.94 (m, 1H), 3.69-3.77 (m, 1H), 3.61-3.67 (m, 1H), 3.47-3.56 (m, 1H), 3.17-3.29 (m, 1H), 1.71-1.92 (m, 3H), 1.38-1.48 (m partially obscureδ by H2O, 1H).
91	F S S	396.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) δ 7.87 (m, 2H), 7.66 (s, 1H), 7.61 (m, 1H), 7.4 (m, 1H), 7.26 (m, 3H), 7.05 (m, 2H) 6.95 (m, 1H), 6.36 (m, 1H), 4.05 (s, 6H).
92	N O N F	414.0	<sup>1</sup> H NMR (400 MHz, CDCl <sub>3</sub> ) $\delta$ 7.74 (m, 2H), 7.48 (m, 2H), 7.13 (m, 3H), 6.83 (s, 1H), 6.65 (dd, $J_I = 10.8$ Hz, $J_2 = 2.0$ Hz, 1H), 6.59 (m, 1H), 3.92 (s, 6H).

## **Amendments to the Specification**

Please add the following Table 2 immediately after Table 1 and before paragraph [00119].

Table 2

Example	Structure	MS (m/z) (M+1) <sup>+</sup>
93	CI S F F	503.0
94	F F F F F S S S S S S S S S S S S S S S	529.1
95	F F F F F F F F F F F F F F F F F F F	513.0
96	F F F S S S S S S S S S S S S S S S S S	509.2
97	F S S	502.2

98	CI S F	479.0
99	F F F F S O	479.3
100	F F N-N S	626.3
101	F O O O O O O O O O O O O O O O O O O O	611.2
102	F F F F F F F F F F F F F F F F F F F	465.2
103	F F O CI	447.2
104	F S	445.2

105	F—CI N-N S S	445.2
106	F S S	447.3
107		447.3
108	F S	447.3
109	F S S	443.3
110	CI F N-N S	445.2
111	F N S O N S CI	598.2

	<b>Г</b>	
112	CI S F	461.2
113	F O O O O O O O O O O O O O O O O O O O	558.2
114	CI S F	481.0
115	F F O N S O	495.0
116	F S S S	480.0
117		562.1

118	CI S S	589.9
119	F F F F	499.2
120	F S S	459.3
121	F—ON-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-	425.3
122	N-N S F	441.2
123	POH N-N S N	410.2
124	F HO	451.2

125	OH OH ON	409.2
126	OH ON-N CI	443.2
127		461.2
128	E STANDARD OF THE STANDARD OF	547.1
129	F F S S F	479.2
130	CI CI CI CI S O F	514.9

131	F F O O O O O O O O O O O O O O O O O O	493.0
132	E CI	463.0
133	F N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-	639.3
134	F F F	476.8
135	F O F	532.3
136	CI O F	479.0

137	CI S F F	459.0
138	F S O N	490.1
139	F O O O O O O O O O O O O O O O O O O O	563.2
140	CI S N	424.0
141	F S S	429.0
142	F S N	410.0
143	F O O O O O O O O O O O O O O O O O O O	549.2

144	F O NH <sub>2</sub>	556.2
145	Br N N N N N N N N N N N N N N N N N N N	621.1
146	F NH <sub>2</sub>	561.1
147	CI S F F	472.9
148	F N-N HOO	611.3

149	F N-N S	625.1
150	F P P P P P P P P P P P P P P P P P P P	517.3
151	F N S S S S S S S S S S S S S S S S S S	558.3
152		574.4
153	F P P P P P P P P P P P P P P P P P P P	590.4

154	F S S S S S S S S S S S S S S S S S S S	567.3
155	OH N-N S OH	559.1
156		518.2
157	Br O O O N	583.0
158	F F N-N S N	445.1
159	F F N-N S S	465.1

160	F N-N S NH F	530.2
161	F NH F	526.2
162	F NH F	518.2
163		578.2
164	POH ON-N-N-S OOH	549.1
165	FOH SIN	571.3

166	F OH	587.2
167	F N-N OH	598.1
168	F N-N S O HO	627.1
169	F O O O O	627.1
170	# 0 2 0 0 E	566.2

171	F S S	472.0
172	F N N O	588.1
173	F F F N N N N N N N N N N N N N N N N N	612.2
174	F S O O O O O O O O O O O O O O O O O O	563.2
175	F O O O O O O O O O O O O O O O O O O O	623.2

176	F N-N O O O O O O O O O O O O O O O O O O	599.1
177	N-N S	430.1
178	F S F	417.1
179	F S O F	425.0
180	F S S F	429.1
181	N-N S F	435.1

182	F S	421.0
183	F O NH O N	648.2
184	F S N O	573.1
185	F N-N N-O	615.2
186	F P P P P P P P P P P P P P P P P P P P	696.2

187	F S S S S S S S S S S S S S S S S S S S	544.2
188	F N-N NH	647.2
189	OH OH	559.1
190	F O NH O O	654.2
191	F NH	653.2

192	F S	491.0
193	F S	413.1
194	OH ON NH ON	568.2
195	POH N-N S S N-N N-N	538.2
196	F OH	522.1
197	F OH	587.2

198	FOH OH ON N-N	522.1
199	F OH OH ON NH	524.2
200	F N-N	538.2
201	F P P P P P P P P P P P P P P P P P P P	568.1
202	F O D D D D D D D D D D D D D D D D D D	585.2

203	F S S S S S S S S S S S S S S S S S S S	528.0
204	F S S S S S S S S S S S S S S S S S S S	604.2
205	F N S N S N S N S N S N S N S N S N S N	575.1
206	F F N-N S NH	670.2 [M+23]

207	F P P P P P P P P P P P P P P P P P P P	712.2
208		582.0
209	F N S N S N S N S N S N S N S N S N S N	580.0
210	F OH NH	538.2

211	POH N-N NH	540.1
212	OH OO NH	550.2
213	F NH <sub>2</sub>	553.1
214	OH OO NH	524.2
215	F NH O NH <sub>2</sub>	539.1

216	F P P O NH	606.2
217	F P P P P P P P P P P P P P P P P P P P	578.1
218	F N-N OH	578.1
219	F S S	524.0

220	F O S O SH SH SO O SH SH SH SO O SH	584.2
221	F P P P P P P P P P P P P P P P P P P P	659.1
222	F P P P P P P P P P P P P P P P P P P P	617.1
223	F N N N N N N N N N N N N N N N N N N N	640.2 [M+23]

224	F N N N N N N N N N N N N N N N N N N N	603.1
225	F P P P P P P P P P P P P P P P P P P P	641.1
226	F O Z	552.1
227	F F F O N S S O N O N O N O N O N O N O N O N	587.1
228	F NH ON NH ON NH	606.1

229	F P P P P P P P P P P P P P P P P P P P	614.1
230	F N-N S NH NH2	591.1
231	F F O N-N	478.0
232	F H <sub>2</sub> N O	484.0
233	F O F F O N N N N N N N N N N N N N N N	550.0

	Br	
234	F H <sub>2</sub> N O	544.9
235	F N-N	542.1
236	F S S S S S S S S S S S S S S S S S S S	534.1
237	F S N N N N N N N N N N N N N N N N N N	602.1
238	F N N N N N N N N N N N N N N N N N N N	675.2

239	OH OO OO F	445.0
240	F 2 S F	495.1
241	F P O N-N O H <sub>2</sub> N O	596.1
242	F S S S S S S S S S S S S S S S S S S S	596.2

243	F P P P P P P P P P P P P P P P P P P P	632.1
244	F P P P P P P P P P P P P P P P P P P P	581.1
245	F N N N N N N N N N N N N N N N N N N N	564.1
246	FOH N-N	445.0
247		530.0

248	F N-N N-N NH <sub>2</sub>	526.1
249	F S O	518.1
250	F S NH <sub>2</sub>	596.1
251	F S S S S S S S S S S S S S S S S S S S	578.1
252	F O S O H <sub>2</sub> N O	560.1

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253	F S O	591.0
254	F S O H <sub>2</sub> N O	531.0
255	E Z S S S Z S S S S S S S S S S S S S S	546.2
256	F S S S S S S S S S S S S S S S S S S S	560.2

257	F O O O O O H	537.1
258	Br O OH	532.1
259	F OOH	471.1
260	D O O O O O O O O O O O O O O O O O O O	468.2
261	F NH <sub>2</sub>	472.2
262	F—F  N—N  N—N  NH <sub>2</sub>	550.2

263	F F F O O O O O O O O O O O O O O O O O	679.2
264	F O O O O O O O O O O O O O O O O O O O	588.0
265	Br O N N N N N N N N N N N N N N N N N N	583.0
266	F S	436.0
267	F S	424.1

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268	F S	502.0
269	F O O	477.0
270		547.1
271	Br N N-N S	542.0
272	F S	454.1

273	F N N N N N N N N N N N N N N N N N N N	689.1
274	F P P P P P P P P P P P P P P P P P P P	620.2
275	F N-N S O HO	579.2
276	F N N N N N N N N N N N N N N N N N N N	668.2

		1
277	F N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-	645.2
278	F O O O O O O O O O O O O O O O O O O O	551.1
279	HE O O O O O O O O O O O O O O O O O O O	619.2
280	CI O O O O O O O O O O O O O O O O O O O	567.1
281	F OH OH	469.1

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282	H O N N N N N N N N N N N N N N N N N N	520.1
283	F O N-N	448.0
284	F No NH2	592.0
285	F O O NH2	584.1
286	F P P P P P P P P P P P P P P P P P P P	662.0

287	F P P P P P P P P P P P P P P P P P P P	664.0
288	N N N N N N N N N N N N N N N N N N N	579.1
289	F NH NO NH NH NO NH NO NH NO NH NO NH NH NO NH NO NH NO NH NO NH NH NO NH NO NH NH NO NH NH NH NO NH	575.0
290		567.1
291	F F	617.2

292	F N-N S O NH O NH O	611.2
293	F S O HOO	569.1
294	F F N-N CI	489.0
295	CI S	449.1
296	ON-N N-N S	491.0
297	F F N-NO CI	487.0

298	N S CI	441.0
299		424.0
300	Br N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-	640.0
301	F N N N N N N N N N N N N N N N N N N N	580.1
302	F S O NH F	596.1

303	F F O F N O O O	623.1
304	F P P P P P P P P P P P P P P P P P P P	586.0
305	F S O NH <sub>2</sub>	597.0
306	F S N-N	556.0
307	F S N-N	604.1

308	F O O O O O O O O O O O O O O O O O O O	562.0
309	HO N S	423.1
310	OH O	427.1
311	F S S F	495.1
312	Br N	490.0
313	F CI	482.0

314	F S N	442.1
315	Br N-N S	473.0
316	F S O F	430.1
317	F S N	413.1
318		552.0
319	F NH <sub>2</sub>	560.1

320	F S	626.1
321	F F F O N-N S O NH <sub>2</sub>	608.0
322	F F F S O NH <sub>2</sub>	628.0
323	F S N	462.0
324	F S S	430.0

325	F S S	430.0
326	F S S S	448.0
327	F O N S O	412.1
328	F O CI	433.9
329		394.0
330	F F F O N-N S	493.0
331	CI S	443.0

332	F F CI S O	445.0
333	CI S	423.2
334	F O N-N O	427.0
335		415.1
336	EF O O O O O O O O O O O O O O O O O O O	478.0
337	F F S S S	480.0

338	F S N	412.1
339		412.0
340	F S S	444.1
341		424.1
342	F S N	408.1
343	F S N	422.1

344	N-N N-N S	454.1
345	CI S	423.3
346	CI S	427.0
347	F F O N-N S O	463.0
348	F O N N	458.0
349	CI S	443.0

350	F S S	452.0
351	F S O N	448.0
352	F S S N	412.0
353	F S S	408.3
354	F S S	397.1
355	F S S	466.1

356	N-N S	398.0
357	P S N	438.0
358	LE SON SHOOL SHOL SH	593.0
359	F OH O N	428.0
360	H O O O O	559.1
361	H <sub>2</sub> N, O	632.0

362	H <sub>2</sub> N O	596.0
363	CI S S	468.2
364	CI S N-N	428.0
365	N-N S	407.1
366	F S O	407.1
367	F S S	447.0

368	CI S	425.3
369	S CI	493.0
370	F F O N-N O F	481.0
371	F F O HO F	467.0
372	F S S S S S S S S S S S S S S S S S S S	566.2

373	F N N N N N N N N N N N N N N N N N N N	566.0
374		569.0
375	Br O HO	641.0
376	F N O O O O O O O O O O O O O O O O O O	551.0

377	F HO	589.1
378	F P P P P P P P P P P P P P P P P P P P	583.1
379		563.1
380	P O O O O O O O O O O O O O O O O O O O	547.0
381	o o o o o o o o o o o o o o o o o o o	485.0

382	CI S OF	441.0
383	F F O S S S S S S S S S S S S S S S S S	440.0
384	CI S CI	481.0
385	CI S	477.0
386	Br S	467.0

387	Br S	471.0
388	Br S	467.0
389	Br N-N S	490.2
390	N N O O O O O O O O O O O O O O O O O O	561.1
391	F O HO	575.1

392	F F	551.1
393	F O O O O O O O O O O O O O O O O O O O	536.1
394	F O O O O O O O O O O O O O O O O O O O	576.1
395	F O F O O O O O O O O O O O O O O O O O	627.1

396	F N-N OH OO	609.0
397	F OH	591.1
398	F F P O O O O O O O O O O O O O O O O O	629.0
399	F S	425.3
400	F N-N S	495.1

401	F S O O	455.1
402	F F F F F	479.0
403		439.0
404	F S O O	443.0
405	CI N-N S	427.0

406	F S O	411.3
407	CI N-N S	461.0
408	F OH	558.1
409	F P O O O O O O O O O O O O O O O O O O	575.0
410	HO N F F F	598.0

411	F O O O O O O O O O O O O O O O O O O O	617.0
412	DE SOURCE SERVICE SERV	536.1
413		411.0
414	S F	429.0
415	F NH <sub>2</sub>	560.1

416	N-N-N-S-F	471.1
417	F F S O	429.1
418	F S	393.1
419	F O N S O	429.1
420	F S S	429.1
421	F S O	479.0

422	N-N S	399.1
423	CI CI	443.2
424	F F O N-N O	463.2
425	S N F F F F	477.3
426	N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-	545.1
427	F F F S O	461.0

428	F F F S S F	479.0
429		612.0
430	O A O O O O O O O O O O O O O O O O O O	561.1
431	OH OH OH OH	540.1
432	OH OH OH OH OH	540.1

433	F P P P P P P P P P P P P P P P P P P P	578.1
434	F F F N-N S OH OH	611.2
435		434.2
436	CI N Br	488.2
437	CI SO	457.3

	F F	
438	F F S O	477.2
439	F S S	495.2
440	F S O	477.3
441	F S O	475.2
442	F F N-N S	477.3

443	F N N N N N N N N N N N N N N N N N N N	473.3
444	H	586.1
445	F OH OH OH	568.1
446	OH OH	582.2
447	H O N N N N N N N N N N N N N N N N N N	602.1

448	FOH N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-N-	554.1
449	OH OH OH OH OH OH	556.1
450	F OH OH	554.1
451	F OH OH OH	568.1
452	F OH OH	540.1

453	F S S	429.2
454	F S S	447.2
455	OH OH OH OH	540.1
456	OH O DE	584.2
457	OH O PHONE OH	554.1

458	PH OH	540.1
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